Appendix H

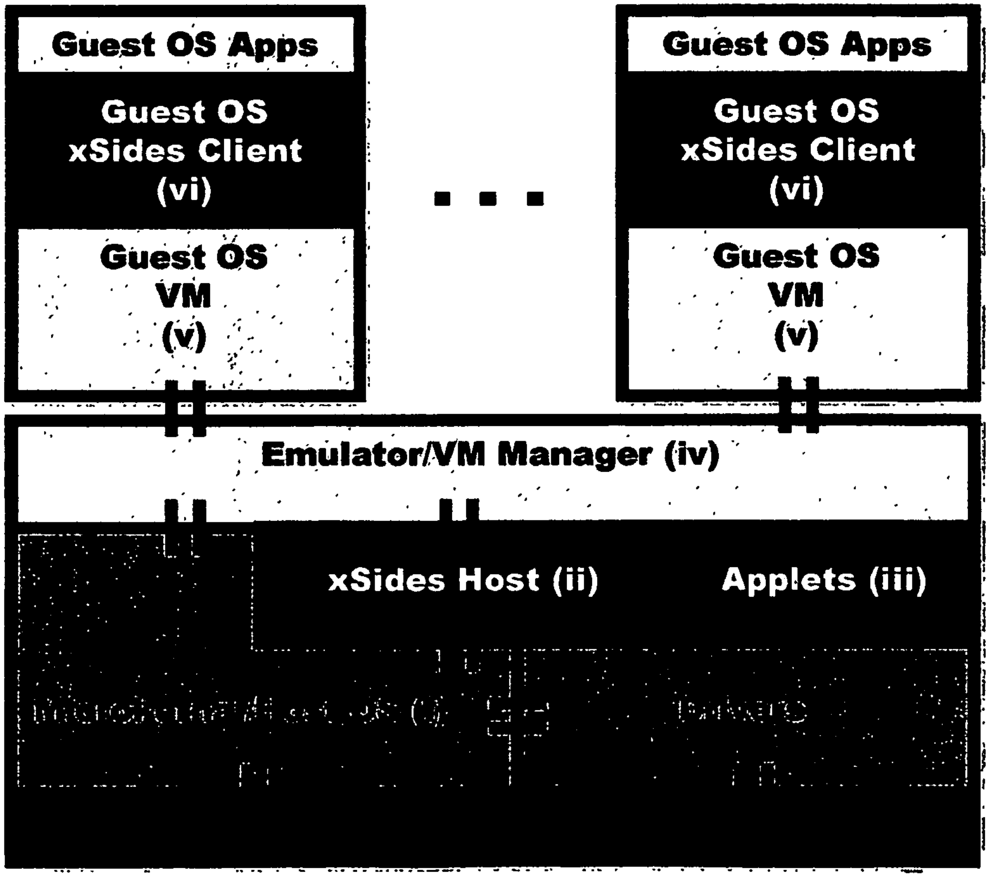
The Microkernel Project (1)

The Microkernel is a secondary operating system for separately supporting xSides enabled applets.

PROJECT DESCRIPTION:

- The Microkernel will enable the xSides interface to function even if the primary operating system for the desktop fails (i.e., xSides is "always on").
- xSides to port the Microkernel (including xSides drivers and applications, as applicable) to a set-top box environment.

The Microkernel Project (3)



The Applets Project

Each Applet to run with or without the Microkernel.

STREAMING AUDIO AND VIDEO PROJECT

PROJECT DESCRIPTION: xSides to develop software applets for enabling the transmission of two-way audio and video including, e.g., one or more of the following: VoIP technology, IP Streaming Video technology, Video Encoding technology and Video Conferencing technology.

TV TUNER PROJECT

PROJECT DESCRIPTION: xSides to develop a software applet for enabling television programming applications utilizing, e.g., Broadcom's proprietary 2D/3D graphics and Advanced Tuner Technology (EPG is an example).

The Applets Project

VoIP PROJECT

PROJECT DESCRIPTION: xSides to develop software applets for enabling a user interface and the transmission of voice over broadband networks using VoIP, VoDSL, and VoATM technology.

HDTV PROJECT

PROJECT DESCRIPTION: xSides to develop software applets for enabling the display of HDTV on PCs, set-tops, and IP appliances, including, e.g., one or more of the following: HDTV receiver, HDTV MPEG decoder, and 2D/3D graphics technology.

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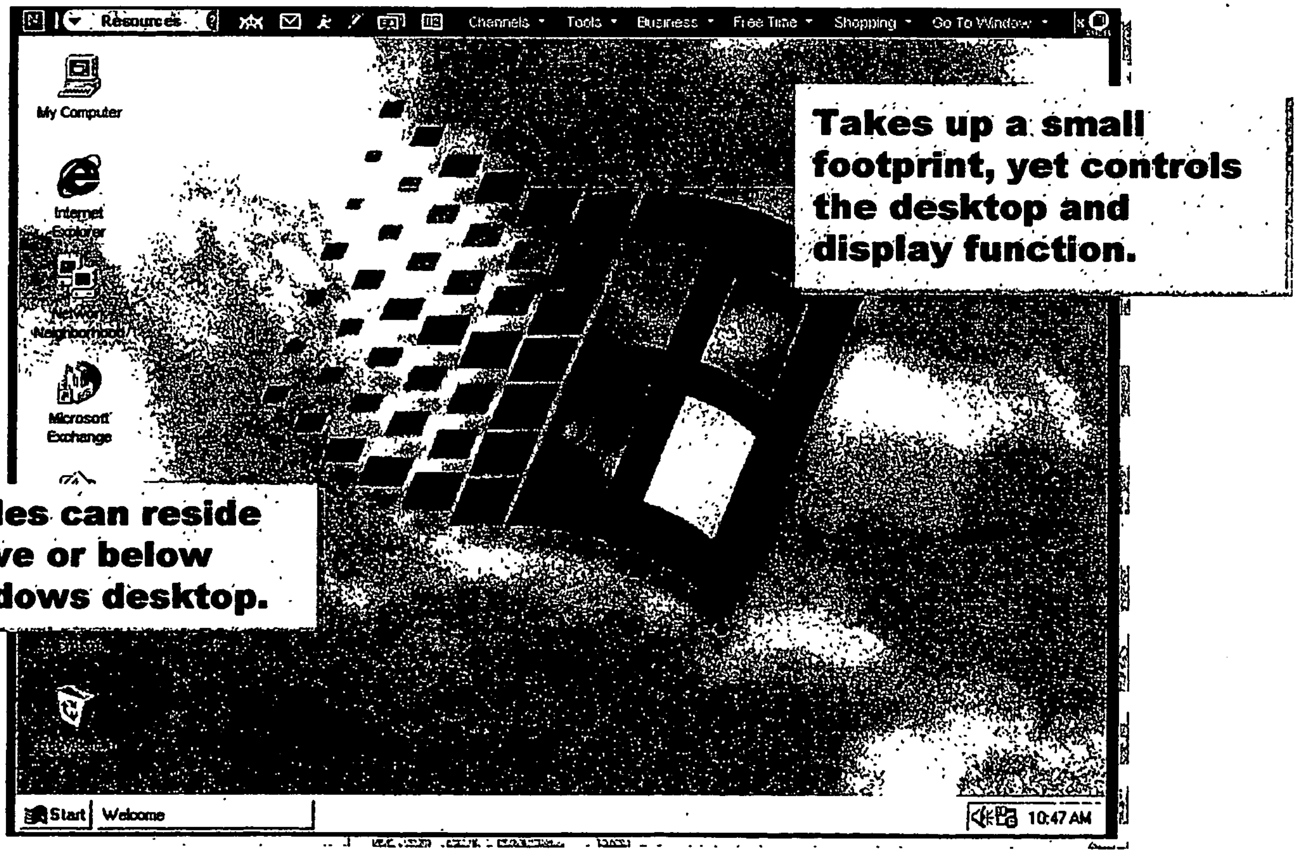
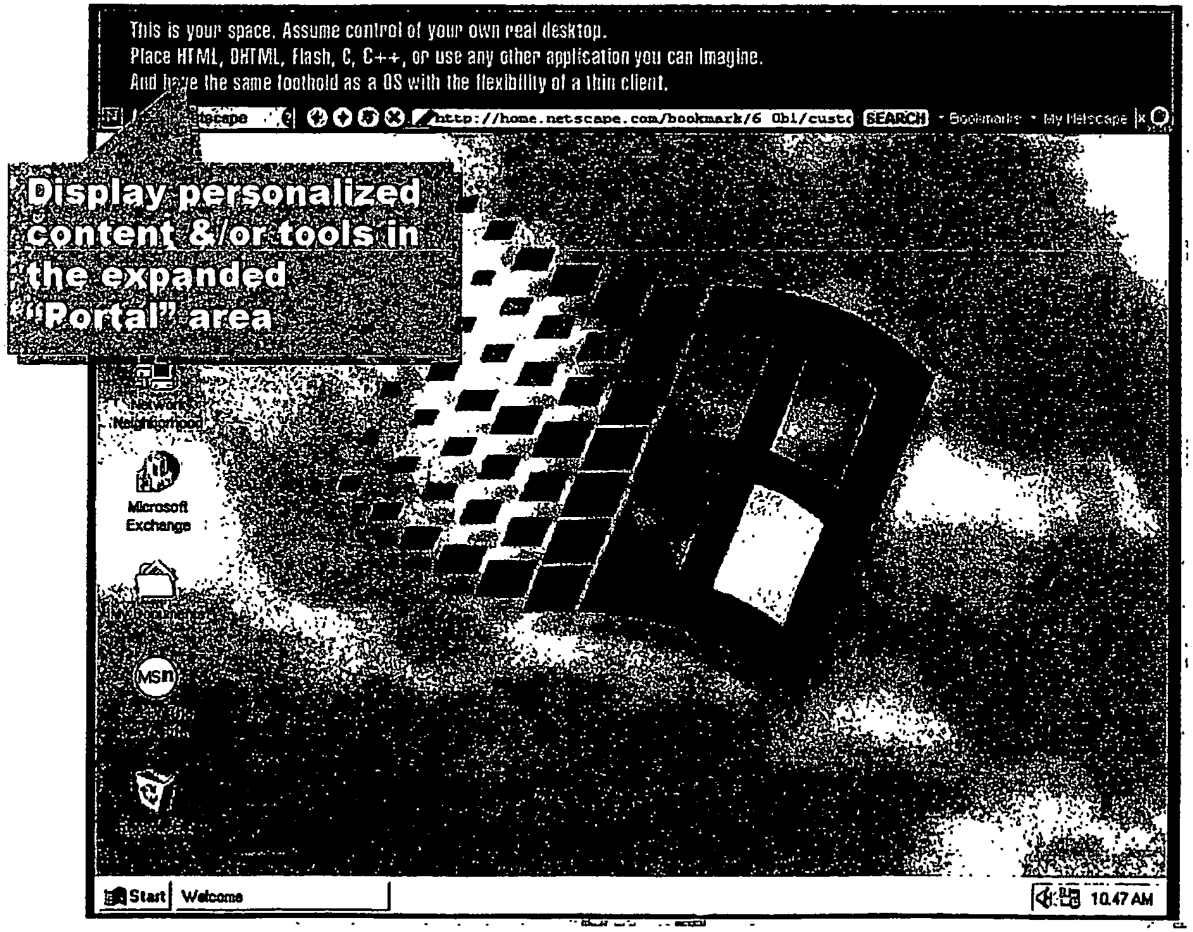
Product Design Examples



Takes up a small footprint, yet controls the desktop and display function.

xSides can reside above or below Windows desktop.

Product Design Examples



This is your space. Assume control of your own real desktop.
Place HTML, DHTML, Flash, C, C++, or use any other application you can imagine.
And have the same foothold as a OS with the flexibility of a thin client.

Display personalized content &/or tools in the expanded "Portal" area

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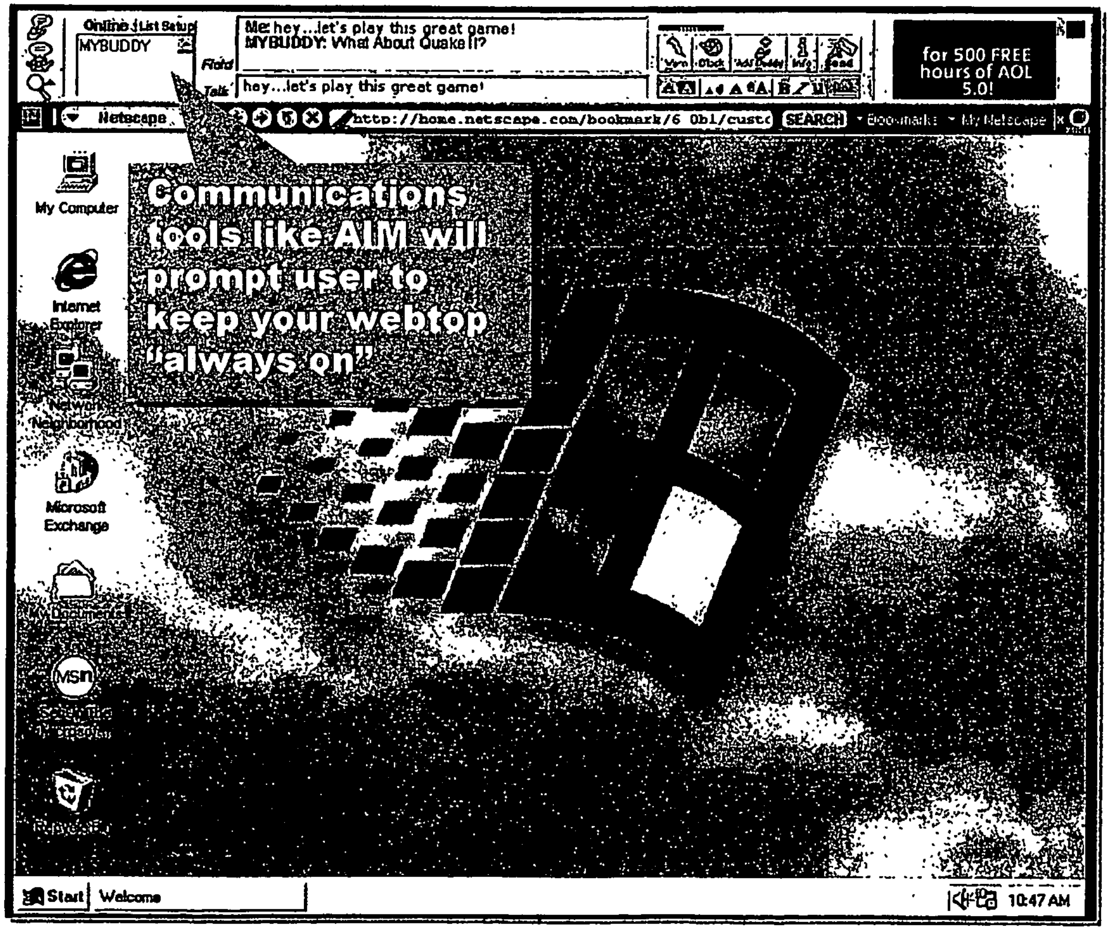
Product Design Examples



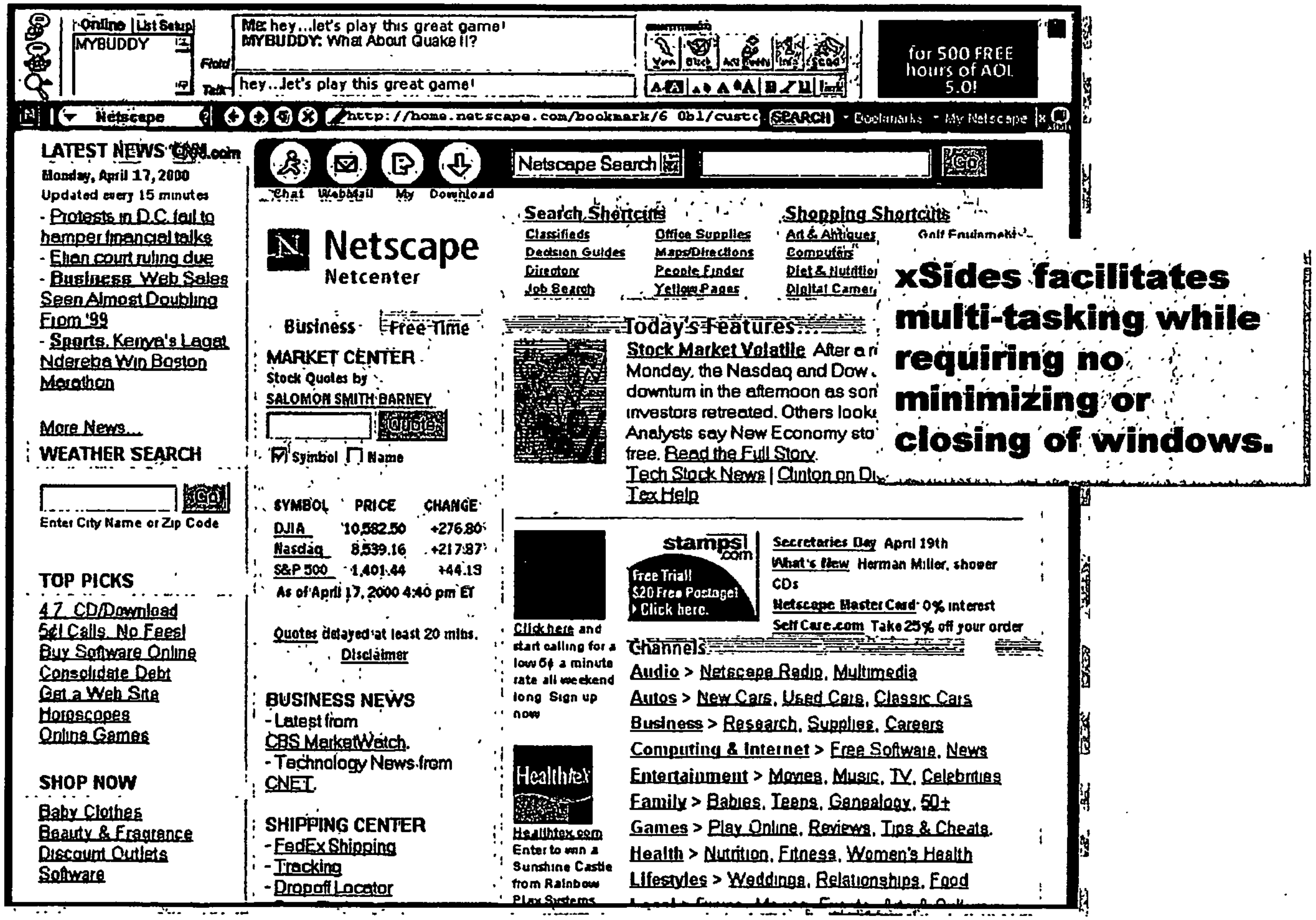
Me: hey...let's play this great game!
MYBUDDY: What About Quake II?

hey...let's play this great game!

http://home.netscape.com/bookmark/6 0bl/custc

Communications tools like AIM will prompt user to keep your webtop "always on"

Product Design Examples



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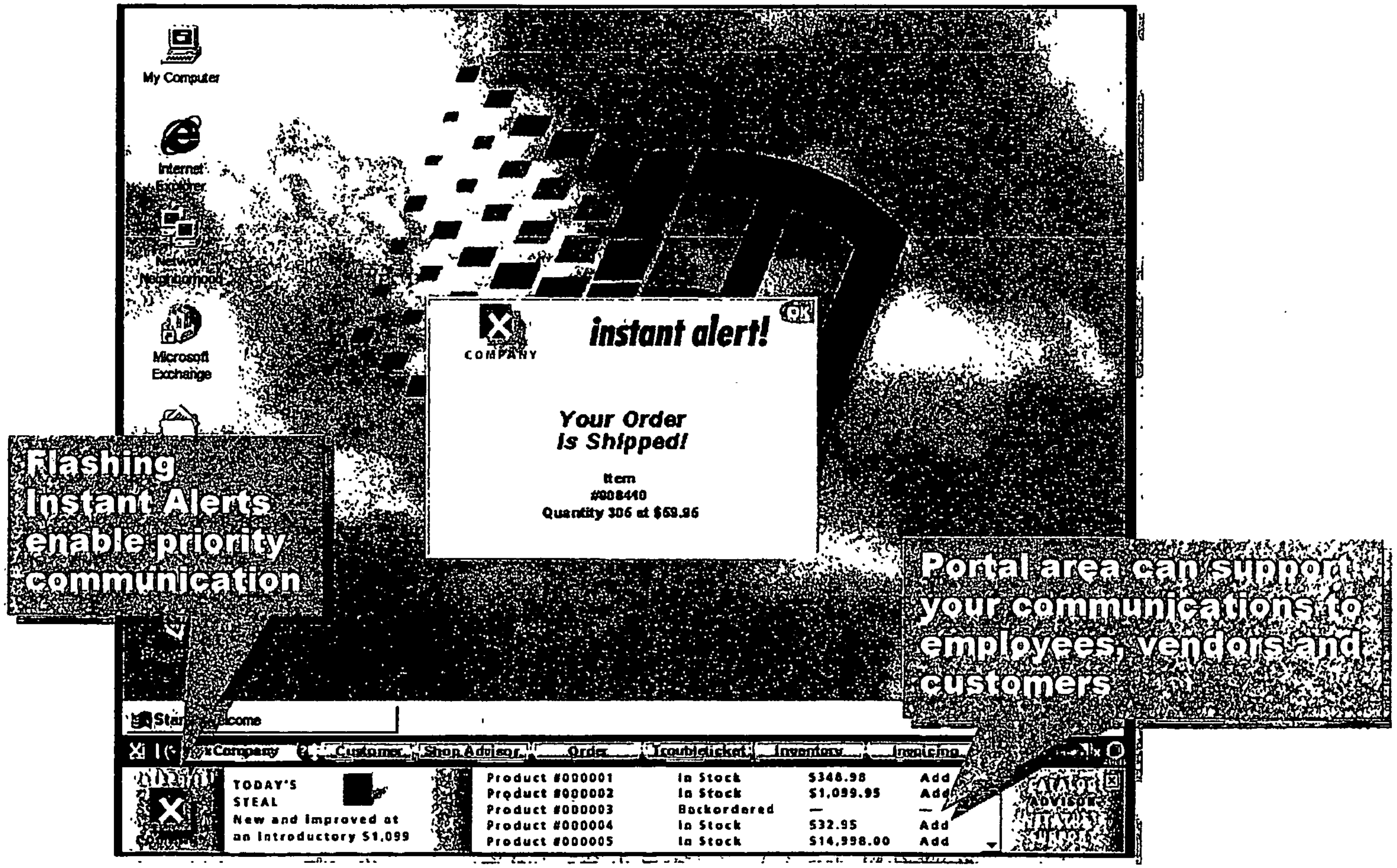
xSides facilitates multi-tasking while requiring no minimizing or closing of windows.

7

Product Design Examples



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#808440
Quantity 306 at $69.96

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New and Improved at an Introductory $1,099

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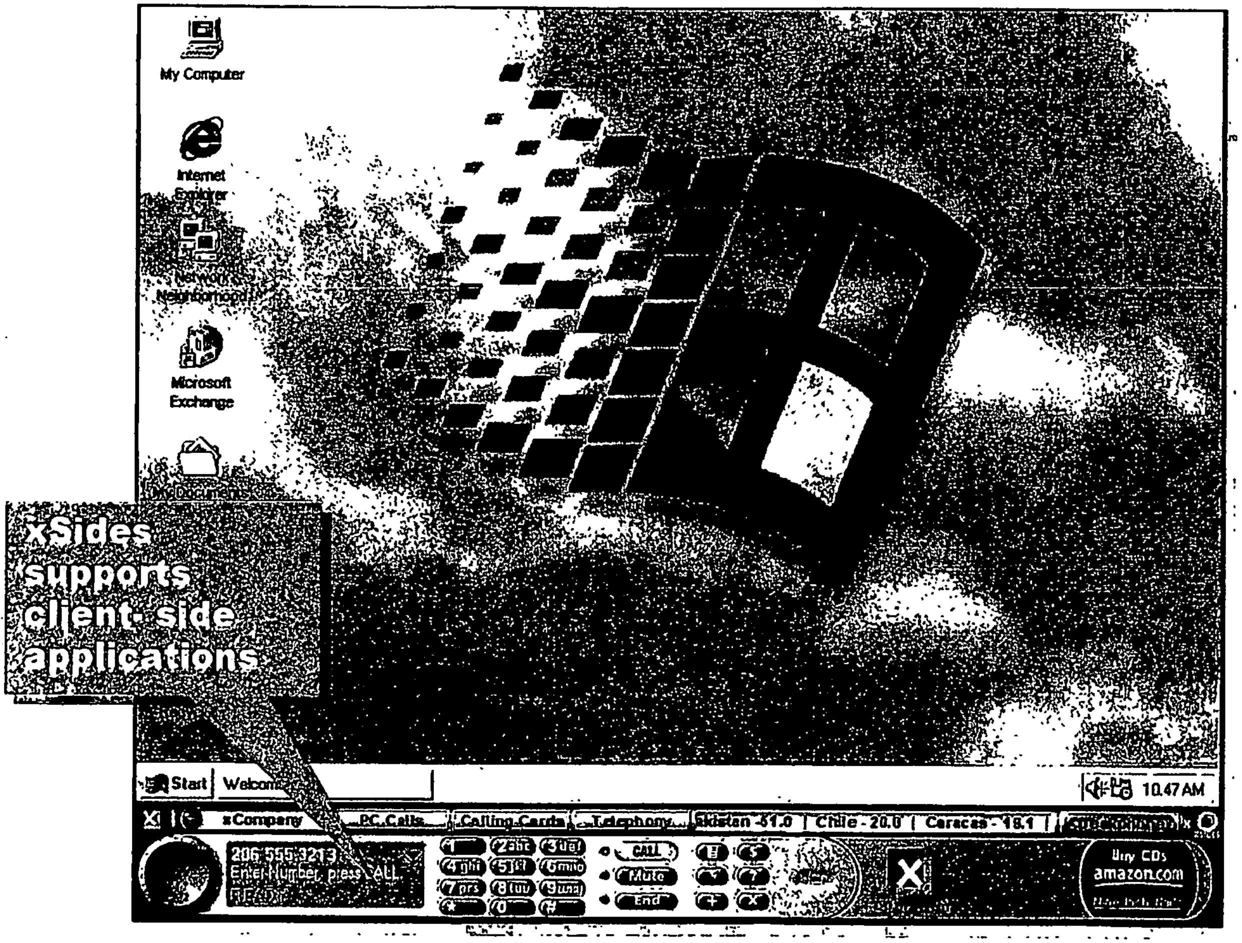
Product #000002	In Stock	$1,099.95	Add
Product #000003	Backordered	—	—
Product #000004	In Stock	$32.95	Add
Product #000005	In Stock	$14,998.00	Add

Flashing Instant Alerts enable priority communication

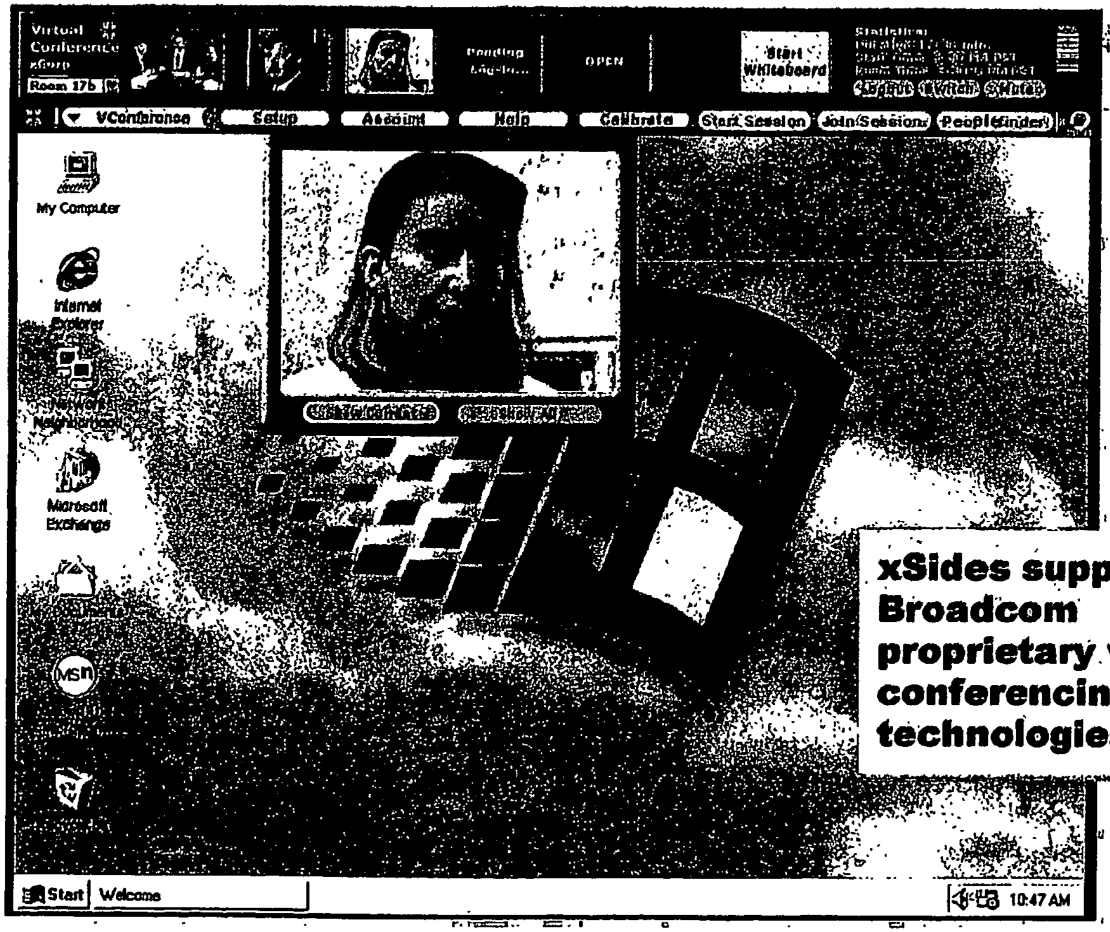
Portal area can support your communications to employees, vendors and customers

Product Design Examples



xSides supports client-side applications

Product Design Examples



xSides supports Broadcom proprietary video conferencing technologies.